

19981126.ba v02_n318.bam.981126 v02_n319.bam.981126

>From ???@??? Thu Nov 26 08:08:56 1998
Message-Id: <199811261129.FAA17789@sco.theporch.com>
Date: Thu, 26 Nov 1998 05:28:38 CST
Subject: BOATANCHORS digest 2318

BOATANCHORS Digest 2318

Topics covered in this issue include:

- 1) Re: Tektronix terminal strips
by "William L. Fuqua III" <wlfuqu00@pop.uky.edu>
- 2) FS: Collins 75A-4 and KWS-1
by Gary Gitzen <garyg@cup.hp.com>
- 3) RE: Titanic lies & Steel tapes
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 4) Re: BAs, lovely BAs !
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 5) FS:Stancor Isolation Transformer
by JONWEINER@aol.com
- 6) Re: RME-45 versions and a paint/finish question...
by Rich Force <bhabooks@together.net>
- 7) Update on DSB100
by thompson@mindspring.com
- 8) RE: CQ all BAers who have 6M *AM* capability
by Ed Sieb <esieb@gmsiworld.com>
- 9) What kind of radio
by "Ronnie Hull" <w5sum@ms1.nwla.com>
- 10) Re: What kind of radio
by ail0@lehigh.edu (ARTHUR I. LARKY)
- 11) NC-188, 41, reviewed by 9-year-old
by mnhopkins@juno.com (Michael N Hopkins)
- 12) RDF Connector
by Jderm740@aol.com
- 13) RE: Tektronix terminal strips
by "Jim Berry" <basalop@gte.net>
- 14) Re: Code Osc BA kid-community svc.
by "Arden Allen" <gumbear@pacbell.net>
- 15) Re: EARLY TV
by "Steve" <scb@mail.internettport.net>
- 16) Re: What kind of radio
by "Kenneth J. Lopez" <kjlopez@earthlink.net>
- 17) Re: Tektronix terminal strips
by Morris Odell <morriso@vifp.monash.edu.au>
- 18) Re: Tektronix terminal strips
by Bill Hawkins <bill@iaxs.net>
- 19) TV & French Engineering

by "Don L. Davis" <dxguy@earthlink.net>
20) re: TV standards
by midshires@cix.co.uk (Andrew Emmerson)
21) Re: American engineering
by midshires@cix.co.uk (Andrew Emmerson)
22) Re: re early TV
by midshires@cix.co.uk (Andrew Emmerson)
23) Re: EARLY TV
by midshires@cix.co.uk (Andrew Emmerson)

Date: Wed, 25 Nov 1998 14:16:14 -0500 (EST)
Message-Id: <199811251916.0AA14962@pop.uky.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: "William L. Fuqua III" <wlfuqu00@pop.uky.edu>
Subject: Re: Tektronix terminal strips

You should be able to raise the soldering iron temperature if you use silver bearing solder. When liquid the lead-tin solder will dissolve silver just like water does sugar. If you use silver bearing solder saturated that is with silver it will not dissolve the silver plate on the connector.

73
Bill wa4lav

William L. Fuqua III P.E. E-mail WLFUQU00@POP.UKY.EDU Phone (606) 257-4155
Department of Physics and Astronomy CP-177 Chem. Phys. Bldg.
University of Kentucky , Lexington, Ky 40506-0055

From: Gary Gitzen <garyg@cup.hp.com>
Message-Id: <9811251916.AA12267@hpgaryg.cup.hp.com>
Subject: FS: Collins 75A-4 and KWS-1
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 25 Nov 1998 11:16:13 PST

Here is what you've been waiting for: late production "Gold Dust Twins", just in time to be a Christmas present (to yourself? :-)

Collins 75A-4

s/n 3544

3.1KC SSB filter, F455J-31

500CPS CW filter, F455J-05

4:1 Vernier drive

Matching speaker, Collins model 270-G3, p/n 522-0149-00, with
stocking tag still attached. Excellent condx.

Works on all bands

Owned by non_smoker in smoke free house

Original finish

Probably somewhere between CCA "Excellent and "Very Good", but I
don't really speak the language.

Original factory manual

NOS spare tubes for every type, except the 12AX7. Multiples for
high useage tubes.

Slight paint chip, top right corner, unretouched

Noisy volume control

Slight but noticeable squeak sometimes when tuning, said to be
from a PTO which needs clean & lube

Needs cat hair blown/vacuumed out, since they liked its warmth

Collins KWS-1

s/n 1432 of approx 1600 built

4:1 Vernier drive

Fully functional

Original factory manual

Owned by non_smoker in smoke free house

4CX250B finals, not 4CX150A

Original finish, see below

Phone patch is only mod

Spare tubes for every type except for 3TF4 ballast and 3B28 rectifiers,
almost all NOS. Some NOS multiples. Includes NOS 4CX250Bs.

Probably somewhere between CCA "Excellent and "Very Good" except
for minor rust mentioned below

Minor surface rust at the bottom of the cabinet where the front
door attaches, presumably from condensation over the years.
Visible only from inside. Should be fixed by new owner,
because it will only get worse.

This equipment is from the estate of a Silent Key. The widow would
prefer that they be sold as a pair to someone who will use and cherish
them for what they are. The KWS-1 will _not_ be shipped. Pickup only,

San Jose California. The 75A-4 will be shipped only if they cannot be sold as a pair. Buyer pays for professional shipping and packing by someone who knows how, "foam in place" or similar preferred. Buyer may select shipper, and is encouraged to avoid UPS.

Potential buyers are invited and encouraged to inspect the equipment prior to purchase, if possible, in San Jose CA. Rx may be operated. Prefer that xmtr not be put on the air, but will happily allow use if it is a condition of sale at asking price. All equipment was fully functional 4/98, has recently been tested on 20M, and is warranted to be functional at time of sale for local pickup.

Asking \$2750 for the pair, plus any shipping. Please feel free to make individual offers, but selling as a set is preferred.

For further information please contact Gary Gitzen <garyg@cup.hp.com> by private mail. Please do not "group reply" to any mailing list.

Note: I will be out of email contact for 1-2 weeks after Thanksgiving, so don't get excited if you don't quickly hear anything back.

Gary

Message-Id: <199811252004.PAA59194@ns2-1.CC.Lehigh.EDU>
Date: Wed, 25 Nov 1998 15:04:19 EST
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: RE: Titanic lies & Steel tapes
To: Old Tube Radios <boatanchors@theporch.com>

Marty wrote:

>The 1st Univac, the ERA1101 fm the '54 Ike elections, used steel tapes
>too.
>
>Central memory was acoustic mercury-filled tube-pairs. About 80 bits
>went down 1 tube, were detected & sent up the neighboring mercury-filled
>tube.

As you all may recall, mercury is temperature sensitive, which means the speed of propagation of the acoustic waves through the mercury changed with temperature. Putting the whole memory into a temperature-controlled enclosure was not good enough, so they had one line down which they sent only one pulse. When that pulse came out and hit the piezoelectric crystal at the other end, it generated a pulse which was sent to reactance modulator connected to the system clock generator. So the speed of computation of the machine varied

with the temperature of the mercury pool! That's a new meaning for "crystal controlled clock"!

Art K3HBA

Message-Id: <199811252020.PAA39970@ns2-1.CC.Lehigh.EDU>

Date: Wed, 25 Nov 1998 15:20:23 EST

From: ail0@lehigh.edu (ARTHUR I. LARKY)

Subject: Re: BAs, lovely BAs !

To: Old Tube Radios <boatanchors@theporch.com>

Bill gm8apx wrote:

>Yes, I find a new reason every day to be grateful that I was taught some
>basic laws of nature, and an attitude of mind which often enables me to
>get something working again safely with a length of string.

>

>BUT there is a widespread belief that in the UK, at least, Amplitude
>Modulation is to be "phased out" (?) as soon as the broadcasters can get
>away with it. Our British Broadcasting Corporation is extolling the
>virtues of all things digital; and technical enquiries relating to "Long
>Wave", AM, and DC bands in general are very unlikely to get a helpful
>reply.

>

>I'm really just asking whether a similar situation exists in other
>countries. I can see great advantages in keeping a means of
>communication, to receive which one can use things found on the beach.

I agree. In my early days, I made a receiver out of headphones, a blocking capacitor, a resistor, a 200 volt dc supply, a woolen sock and a burned-out fluorescent bulb. It had the advantage that you could listen to the radio and read a book by the light of the bulb.

I also made one out of headphones, a piece of coal, some copper, some thick and thin copper wire.

It helped that there were some strong AM stations only a few miles away.

Art K3HBA

From: JONWEINER@aol.com

Message-ID: <6e49f62a.365c6a7e@aol.com>

Date: Wed, 25 Nov 1998 15:37:18 EST

To: Old Tube Radios <boatanchors@theporch.com>

Mime-Version: 1.0

Subject: FS:Stancor Isolation Transformer

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

I have for sale a Stancor Isolation Transformer. Rated at 300W, it's just the

thing to prevent you from getting bit with your S-38's. Has three AC plugs on one side. It's dirty, and has a bit of surface rust, but it's actually brand new (the cord has never been uncoiled). Works perfectly. Price: \$25., plus shipping.

Jon, K1VVC
(Greenville, SC)

Message-Id: <199811252058.PAA29741@mx02.together.net>
Date: Wed, 25 Nov 1998 20:51:15 +0000
To: Old Tube Radios <boatanchors@theporch.com>
From: Rich Force <bhabooks@together.net>
Subject: Re: RME-45 versions and a paint/finish question...
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Ben, My RME-45 appears as #2 above , however, mine seems to have the field coil provision. Mine is still in line to be restored and I haven't dug into it yet but the stip on the back for the speaker has four screws, two marked "8" and the other two "R" which I believe must be for the field coil. It has an 80 rectifier, VR 150 and hard wired filter and two speed dial.

The serial number etched into the chasis is KG146A which appears below the Hazeltine plate on the upper rear.

Mine, which I believe is original, is hammertone gray with raised black around the dial, S-meter etc. The markings are etched and filled with white into the black background.

73, Rich WB1ASL

From: thompson@mindspring.com
Message-ID: <001601be18b7\$bc60e0e0\$45fb45cf@default>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Update on DSB100
Date: Wed, 25 Nov 1998 16:07:56 -0500

Well I have spent a few hours on the Globe/WRL DSB 100. Replaced the AC on /gain switch and fixed a couple of things (one bad cap and two bad solder

joints). I looked several places for the 6S6 pilot lamp but no luck so far. I have everything lighting up and get HV but so far no power out. The 6S6 sits in the HV line so may not work without one. I did put a jumper in line and try to key it (HV with jumper, none without) so am getting closer. I have two crystals and they made be bad and the wiring in the plug may need to be re-done. They use a tube base rather than a crystal holder so the xtal goes in pins 2 and 11 and the VFO goes in the socket.

Have been looking for a VFO and everytime I get close the person has cold feet or on Ebay the price gets too high. I need a VFO with built in PS such as the WRL 755/755A/V-10, Hallicrafters V-5, or Eico 722. I even bid on a Knight VFO but it sold for more than the DSB100 is worth. Someone sent me a circuit that goes on a PC board and lets the PC act as a VFO. Says it will drive the typical 160/80/40 output rig. Boy that would be something a 40 year old BA using a PC card as a VFO!

I did get a nice AF-67 up and running and put another A-54H on 40 (its easy if you have the coil stock and a BAer sold me enough for 4 or 5 rigs 2 years ago). The A-54H needs a strong PS or the audio is low even with a Shure 444 or D-104. I got a Alpha VOMAX from another BAer. That will boost the audio and make it sharp at the same time. Will bring it on line with some of the Elmac gear after Thanksgiving.

Another project is to bring up a Heath HO-10 scope and see what these Elmacs look like. Waiting on the manual but looks simple enough. Used to run small scopes with shielded link loops and be able to switch patterns years ago. The HO-10 is much more of the scope than those little GE ham news vesions. If you have the April 97 issue of ER my old station circa 1960 is on the front cover. don't think the detail is there but had a heath AM-1 and the GE scope in a small rack panel on top of my homebrew rack.

Having trouble with my eyes (allergy related). Hope I can continue to work on my old rigs and see the schematics.

Happy Thanksgiving to all.

Dave K4JRB
thompson@mindspring.com

Message-ID: <01BE1898.8BFA87E0@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: CQ all BAers who have 6M *AM* capability
Date: Wed, 25 Nov 1998 17:25:01 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

We're _always_ monitoring 50.4 Mc when in the shack. About a year ago, someone was offering a Lafayette 6M AM rig for very cheap (\$18. As I recall!). I struck a deal with the fellow, but had to leave town on business, and I was never able to, ..uh.. consummate.. the deal, and the guy ended selling it to someone much, much less worthy :-) (Grrr!)

Anyway...we're fully operational on 6M, all modes AM, CW, and SSB, but with a non-BA rig (an ICOM IC575). Boy, I still wish I had gotten that Lafayette rig, though. <sigh> I think I'll find out who got the rig and go steal it.

Ed, VA3ES

Message-Id: <199811252231.QAA09937@ms1.nwla.com>
From: "Ronnie Hull" <w5sum@ms1.nwla.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 25 Nov 1998 16:33:59 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: What kind of radio

were you listening to when you heard that Pearl Harbor had been bombed? My father was listening to a RCA cabinet model. Why am I asking? I just turned on my old Fairbanks Morse radio and listened to it for a bit.. I like to warm it up and listen to it every couple of weeks.. and as I gazed at its beautiful dial I wondered, WHO owned this radio when they got the news.. for surely, someone did with this very radio..

interesting stories some of these old boatanchors could tell eh? too bad they can't talk..

Ronnie

W5SUM
Ronnie Hull
PO Box 8941 - Shreveport, La - 71148
"In the Occupied South"
Ten-Ten #2019 AMI # 1057

Message-Id: <199811252330.SAA67820@ns5-1.CC.Lehigh.EDU>

Date: Wed, 25 Nov 1998 18:30:05 EST
From: ail0@lehigh.edu (ARTHUR I. LARKY)
Subject: Re: What kind of radio
To: Old Tube Radios <boatanchors@theporch.com>

Ronnie W5SUM asked:

>were you listening to when you heard that Pearl Harbor had been
>bombed? My father was listening to a RCA cabinet model. Why am
>I asking? I just turned on my old Fairbanks Morse radio and listened
>to it for a bit.. I like to warm it up and listen to it every couple
>of weeks.. and as I gazed at its beautiful dial I wondered, WHO owned
>this radio when they got the news.. for surely, someone did with this
>very radio..

Not me, but I clearly remember the day. I was trying on my first pair of long pants (shorts and knickers previously) and my mother came into the room and told us the news. She said "that means war".

Art K3HBA

To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 25 Nov 1998 20:01:26 -0600
Subject: NC-188, 41, reviewed by 9-year-old
Message-ID: <19981125.200404.-81549.0.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com (Michael N Hopkins)

This has to be the biggest radio I have ever see, especially to have so much left out of it.. It does not even have a speaker and it won't take the earphones of my Walkman, either.

My dad put it on a desk we share after he came from his friend Dennis' house and listened to it for a week on some yucky old leather things that must have come out of an airplane.

I said I wanted to hear it too, so he put a speaker from the basement on it but it sounded worse than my Flavoradio in my locker at school so he decided it must have "imps" in it, but the little wire thing he hooked up did not help so he took the speaker case apart and found the basement dampness had eaten up the speaker.

So he put in a speaker from one of those old broken TV sets he and his friend Frank are always bringing in and it sounds OK now, but it does not do Stereo or even get FM so all you can listen to are the stations where they talk all the time or play Mexican music. At least that's what I thought at first.

When I found what all the knobs do, I found out it could lots of things my brothers's boom box won't do. The Mexicans and such are just on the number one band and it has three more. On the second and third bands, if you are careful with the "sensistvity" and "antenna" knobs, you can hear things from all over the world. The antenna knob is hooked to the wire around the window, but my daddy lied to me about it. I held it and moved the knob but it did not make the wire any longer or shorter.

On the fourth band you just hear tacky old CBers and, at the top around 40, some guys working on the streets. But that's OK because there is more than you can keep up with on the number two and three bands and I made a list of my favorites but I must have made a mistake. You have to set the "bandspread" tuning knob and the main one too, and even when I write down the exact places, when I try again the next morning, the station is gone and I cannot find it again 'till the next night.

But I like it anyway and I want daddy to keep it on the desk, even though it looks like it goes with the old timey car his pal Frank drives, which is a Fraser and has nothing to do with a TV show.

Your frined, Alix Hopkins

PS -- I just keep it set on "Receive" and "Pitch" 'cause I don't know what those knobs do and once I thought I broke it playing with them.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

From: Jderm740@aol.com
Message-ID: <864dbfda.365cbf85@aol.com>
Date: Wed, 25 Nov 1998 21:40:05 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: RDF Connector
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Folks

A while back someone was looking for a panel mount PL55 plug to connect the swinging head to the receiver.

I finally found one of my old Switchcraft catalogs and after looking for bulkhead PL55 and checking the design specs. I wonder if what the Mfg. did is remove the screw-on backshell replaced by a plain nut. Some plugs have a long enough threads to to pass through a thin panel and have enough threads for a

jam nut. Or the panel could be thick enough to be threaded to mount the plug. I still don't know who had the problem and I deleted the the request. Sorry.

Jack

From: "Jim Berry" <basalop@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Tektronix terminal strips
Date: Wed, 25 Nov 1998 19:11:48 -0800
Message-ID: <000001be18ea\$81951e80\$a749fdd0@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Jim, Ed and anyone else interested,

Back in 1977/78 my wife was working for Tek building the 409 display unit. I showed her a copy of the messages postage about the terminal strips.

She agreed on the fact one should use flux to get the solder to flow. She also mentioned that they had no temp sittings on their irons.

73 Jim K7SLI

Message-Id: <199811260320.TAA07120@mail-gw6.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Code Osc BA kid-community svc.
Date: Wed, 25 Nov 1998 19:20:43 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> Anyone out there collect/restore code osc.s?

Yes, I do. Got three Buds, one fully restored. I used to have fun with it on 2 meters also. Deathly dangerous AC/DC devices they are. Make sure all the insulators are good and don't practice code in the bathroom!!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <199811260452.WAA09198@loki.internettport.net>
From: "Steve" <scb@mail.internettport.net>

To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 25 Nov 1998 22:42:30 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: EARLY TV
CC: Old Tube Radios <boatanchors@theporch.com>

>most of us grew up watching TVs where the "hue" or "tint" knob had to be messed with to keep the people people-colored. (Big hole in NTSC: the entire range of human skin tones are among the most difficult shades for it to get right! At least it is fair--doesn't matter what color you are, NTSC won't get it right).

Hi Bobbi; et Cie;

& never twice!

Seriously tho', the quality of our outside sports telecasting has been consistently excellent for years now.

This is why I used outside sporting events to set final color balance and hue in the field when I was servicing color TV. On a properly working set, Sky is naturally blue, grass is mottled shades of green-to-brown, and all people will have different hues of skin color that also vary over the areas of exposed skin that should have a natural quality and intensity (usually lower level than the customer has it set).

>French engineering is very French *and* it works. That it drives >engineers of other nations utterly buggy is a fringe benefit.
S'truth, Bobbi (:-]}

Regards; Steve

Message-ID: <365CE02F.EC25F84C@earthlink.net>
Date: Wed, 25 Nov 1998 20:59:40 -0800
From: "Kenneth J. Lopez" <kjllopez@earthlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: What kind of radio
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Ronnie Hull wrote:

> were you listening to when you heard that Pearl Harbor had been
> bombed? My father was listening to a RCA cabinet model.

Ronnie,

My Mother and Grandparents were listening to the GE Console radio I have
in the living room. It needs some work, but still functions.

Cheers,
Ken, N6TZV

Message-ID: <365CE800.B7787AC9@vifp.monash.edu.au>
Date: Thu, 26 Nov 1998 16:32:48 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tektronix terminal strips
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

Jim Garland W8ZR wrote:

> I'm looking for some info regarding the proper care of Tektronix terminal
> strips.
>
> As many of you know, Tektronix elevated the humble terminal strip to an
> art form in its vacuum tube oscilloscopes.

There were some hybrid instruments that used the same technique with socketed
transistors. They used strips with a smaller pitch than in the tube scopes. I
haven't had to repair one yet but I imagine I would have to shape a special tip
for the iron.

> My question is this: what is the factory-recommended temperature for
> soldering onto the strips with the supplied solder? I've been using about
> 750 degrees F, but have been having some trouble. Cooling my iron to 700
> degrees doesn't seem to help, and neither does raising the temperature. Any
> suggestions for soldering onto the strips would be appreciated.

As a Tek aficionado I've done a bit of soldering on these although not as much
as you'd think. The old scopes are pretty reliable. The most soldering I've
done on one is in disassembling a useless type 80 plugin for a project
involving making a custom plugin for the 535A.

The most important thing I've found is that the tip of the iron needs to be a chisel tip as described in the manual. Using the wrong shape makes it very difficult. Temperature doesn't seem to make much difference - I use an Aussie "Scope" iron (no relation!) which can get hot enough to melt the copper tip if you keep your finger on the button too long. I have a good stock of Tek silver solder and I notice it's available again down here anyway in tool shops.

I haven't had any problems with silver migration, even in the HV section of the various scopes I own, some of which must have had a long and distinguished career.

73 de Morris VK3DOC

Date: Thu, 26 Nov 1998 01:22:35 -0600 (CST)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199811260722.BAA18201@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tektronix terminal strips

With any luck, Stan or Hank will see this pass by and set it straight.

It is my impression that silver migration does not happen on clean ceramic. But if a conductive film builds up, and I don't know how little conductivity it takes, silver will migrate in that current flow like sand being carried by a river. If the voltage between notches is high, and the conductive film is forming evenly on the strip, then more current will flow and more silver will be carried with it. I suspect that is why acetone is helpful, because it is not a solvent for silver. It just removes the conducting film that was causing the silver to migrate.

Regards to the few left reading BA while the rest travel (in the US),
Bill Hawkins

Message-ID: <365D16A4.5610@earthlink.net>
Date: Thu, 26 Nov 1998 00:52:22 -0800
From: "Don L. Davis" <dxguy@earthlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TV & French Engineering
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bobbi says:

"You can snicker
at the French if you like--but how many other nations have a 1000'
self-supporting tower about 100 years old standing in their capitol
city?

French engineering is very French *and* it works. That it drives
engineers of other nations utterly buggy is a fringe benefit)."

Wasn't the 1000' tower (Eifel Tower, no doubt) built by Americans? To
the French's credit, however, they did give us the Statue of Liberty; we
got the better deal.

Seriously, great thread on TV development & systems. Brings back
memories of an earlier life, dragging a tube caddy from house to house.

73 Don Davis DXGUY@earthlink.net

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 26 Nov 1998 9:40 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: re: TV standards
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981126094051.56659j@midshires.compulink.co.uk>

I'll keep this very brief but... nobody should feel 'ashamed' about any TV
standard, not even VHS. After five minutes of viewing, the eyes and brain
adjust automatically to the resolution and picture quality; after all, the
programming takes care of this as it absorbs you. In the same way,
listening to the 1938 version of _War of the Worlds_ is still gripping,
even if you hear clicks and crackles off the original 78rpm transcription
discs. We don't discredit Old Master paintings either, just because the
paint is now cracking a bit.

Having seen and enjoyed PAL, SECAM and NTSC pictures, I'd say that
whatever NTSC may lack in vertical resolution is made up by the faster
refresh rate. So nobody is at a disadvantage!

Cheers,
Andy.

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 26 Nov 1998 11:22 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)

Subject: Re: American engineering
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981126112245.56659r@midshires.compulink.co.uk>

>Wasn't the 1000' tower (Eifel Tower, no doubt) built by Americans?

Er, not quite. By a Frenchman called Alexander Gustave Eiffel and a bunch of Parisian workmen. With a surname like that he may have had some German blood in his ancestors' veins but as far as the French are concerned, it was an all-French construction built without any outside help from any other nation!

Andrew Emmerson.

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 26 Nov 1998 11:22 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: Re: re early TV
To: Old Tube Radios <boatanchors@theporch.com>
CC: midshires@cix.co.uk
Message-Id: <memo.19981126112247.56659s@midshires.compulink.co.uk>

> Is the 441 line system vert freq really locked to the mains frequency?

Not necessarily at the transmitter end... but the 50Hz vertical sweep amplifiers in the TV receivers is (or was), in order to minimise the effect of mains ripple on the DC. Otherwise you could get hum bars rising (or falling) through the picture. By locking the two signals, any hum bar is stationary and thus less obtrusive.

>In all NTSC systems it is broadcast as part of the sync/blanking pulse and picked off by the sync separator to synchronize a 60 Hz (free-running a bit slower) vert oscillator.

That's the difference between 1948 and 1998 technology!

Andrew Emmerson/405 Alive (and 441 Alive)

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 26 Nov 1998 11:22 +0000 (GMT Standard Time)
From: midshires@cix.co.uk (Andrew Emmerson)
Subject: Re: EARLY TV

To: Old Tube Radios <boatanchors@theporch.com>

CC: midshires@cix.co.uk

Message-Id: <memo.19981126112249.56659t@midshires.compulink.co.uk>

>I thought that the French used an 890 line TV system. Can anyone comment about that?

Yes, for how many hours?!?

France started regular electronic TV transmissions in 1937, using three different line standards, 441, 450 (yes) and 455. Receivers happily locked to which ever standard was in use. By 1939 they had settled on 455.

War breaks out, Paris is occupied and the Germans impose the 441-line standard.

War end, 441 carries on but for reasons of national pride, a new 819-line standard is introduced and rolled out nationwide (441 was in Paris only). In 1956 the 441 transmitter was burned to a crisp but by then everyone was watching 819.

Colour was introduced during the 1960s, in SECAM of course and on 625 lines, as this was now the international standard (except USA, Canada, parts of South America and Japan). The last 819 monochrome transmitters were decommissioned in the early 1980s.

Andrew Emmerson/405 Alive

End of BOATANCHORS Digest 2318

>From ???@??? Fri Nov 27 13:05:35 1998

Message-Id: <199811270114.TAA13195@sco.theporch.com>

Date: Thu, 26 Nov 1998 19:12:59 CST

Subject: BOATANCHORS digest 2319

BOATANCHORS Digest 2319

Topics covered in this issue include:

- 1) Re: American engineering
by CARRJJ@aol.com
- 2) Re: re early TV
by CARRJJ@aol.com
- 3) WTD: URM-26 Cal. Info

- by "Richard Solomon" <w1kszt@tiac.net>
- 4) Re: TV & French Engineering
by provero@connix.com
 - 5) Real BA's for Sale
by Glenn Finerman <glennfin@mjet.com>
 - 6) Re: [Hallicrafters] Hallicrafters Mystery Mic!
by Sandy Gerli <angerli@esslink.com>
 - 7) Johnson Mobile supply
by Brian.Harris@sv.sc.philips.com (Brian Harris)
 - 8) Re: TV & French Engineering
by Andre Guibert <aguibert@sympatico.ca>
 - 9) R390A sources
by Ed Sieb <esieb@gmsiworld.com>
 - 10) Re: TV & French Engineering
by "Arden Allen" <gumbear@pacbell.net>
 - 11) EARLY TV
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
 - 12) RE: WTB Heathkit HS-24 Speaker
by n9fqf@juno.com (Gerald T Kelley)
 - 13) WTB: Clegg Comet 2 meter SSB
by "Gary F. Franklin" <franklin@net-link.net>
 - 14) R210 rx bits wanted
by BEN NOCK <G4BXD@compuserve.com>
 - 15) WTB: Main tuning knob for SX-101A
by "Gary F. Franklin" <franklin@net-link.net>
 - 16) K6KPH OTA
by Dick Dillman <ddillman@igc.apc.org>
 - 17) FS: new Triplet 630-NS VOM
by Avery Comarow <acomarow@USNEWS.COM>
 - 18) Re: EARLY TV
by Morris Odell <morriso@vifp.monash.edu.au>
 - 19) Re: EARLY TV
by Richard Loken <richardlo@devax.admin.athabasca.ca>
 - 20) Thanksgiving AMI Jamboree
by George T Folse III <kb5ww@bellsouth.net>
 - 21) Old WE 25B console Broadcast equipment -- help needed
by John Dilks <oldradio@worldnet.att.net>

From: CARRJJ@aol.com
Message-ID: <301a0fbb.365d4cc6@aol.com>
Date: Thu, 26 Nov 1998 07:42:46 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: American engineering
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 11/26/98 6:27:28 AM Eastern Standard Time,
midshires@cix.co.uk writes:

<< boatanchors@theporch.com >>

=====

Uhhh...is someone really ashamed of American engineering? We do pretty good, perhaps mostly because of the fact that we get an influx of talented people from many countries. Our engineers have been descendents of English, Irish, Scottish, German, French, Dutch.....Vietnamese, Koreans.....

By the way, I am going to be in UK over 30 May-14th June. Any BA activities to take note of...especially in Scotland and the West Country (I will be at Brighton for an engineering conference, but will work my way towards Dorset and Cornwall afterwards).

Joe Carr
K4IPV

From: CARRJJ@aol.com
Message-ID: <486df947.365d4d0e@aol.com>
Date: Thu, 26 Nov 1998 07:43:58 EST
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: re early TV
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

When I repaired TVs in the early 1960s we thought NTSC stood for "Never Twice Same Color"

Message-Id: <199811261401.0AA12541@mail-out-4.tiac.net>
From: "Richard Solomon" <w1kszt@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTD: URM-26 Cal. Info
Date: Thu, 26 Nov 1998 08:58:26 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have a URM-26A that needs dial calibration, but the copy of the manual I have does not have the Maintenance section. Anyone have that section they can copy for me ? Usual copy and postage costs gladly forwarded. Or does anyone have an original manual they will part with or let me borrow ?

Tnx es 73, Dick, W1KSZ

From: provero@connix.com
Message-Id: <199811261453.JAA29860@comet.connix.com>
Date: Thu, 26 Nov 1998 09:48:17 -0500
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TV & French Engineering

Or as Click and Clack (of NPR Car Talk infamy) have said:

The French follow no one, and no one follows the French!

(to the humorless -- Some of my descendants are from
the Alsace-Lorraine -- French one year, German the next,
many times traded)

P.J. "Josh" Rovero	home:	provero@connix.com
Meteorologist	radio:	KK1D
Oceanographer	work:	rovero@sonalysts.com
Curmudgeon-at-Large	web:	http://www.connix.com/~provero/

Message-Id: <199811261457.IAA24328@sco.theporch.com>
Date: Thu, 26 Nov 1998 10:01:04 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Glenn Finerman <glennfin@mjet.com>
Subject: Real BA's for Sale
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am again in the process of making room for incoming.

As much as I hate to, I must offer the following true BA's
for sale....

I'm sorry, but these will be pick-up only. I am located in
Monsey, NY which is aprox 25 miles NW of the rotten apple.
Not too terrible a drive for you folks in PA, New England, MD,
etc...

Collins 32V-2 Transmitter. Plate modulated beauty. 4D32 in the
final modulated by a pair of 807's. Excellent cosmetic condition.
Extremely clean inside and out. Someone has painted the original
outside cabinet Heath Green (ARGHH!!) Since it's not all scratched
up, 20 mins with a can of St James Grey will fix it right up.
I have never powered it up. Would probably want to re-form the caps,

or bring it up on a variac rather than just slamming the power on
after laying idle for so many years. (maybe not?)
Will include an extra N.O.S. 4D32 final and a spare set of modulators.
.....\$450.....

Heath TX-1 Apache Transmitter. Pair of 6146's modulated by a pair of
6CA7 / EL-34's. Excellent condition, almost perfect front panel. Needs
dial glass. Previous owner has bypassed the clipper circuit (a good thing
trust me!) It is tested working, full output. With repro manual.
.....\$125.....

73.....Glenn Finerman K2KL

glennfin@mjet.com

Message-ID: <365D75EC.CFF4003B@esslink.com>
Date: Thu, 26 Nov 1998 10:38:21 -0500
From: Sandy Gerli <angerli@esslink.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: [Hallicrafters] Hallicrafters Mystery Mic!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> > Hi, everyone...
> >
> > Well, that ebay auction netted me two Hallicrafters Mystery Mics.
> >
> > Perfect shape, no docs. Model C-3202-TA, Hallicrafters p/n 085-000256.
> > They look just like the ones in the Dachis book. Only strange thing is
> > the sticker on the bottom of each one shows a small transistor
> > amplifier and a connection schematic. Mic cable has two extra conductors
> > for wires labelled "Monitor" and "Monitor Inhibit". I wonder if these
> > came from rigs made by Halli for commercial service?
> >
> > Opened one up to inspect it and yep, there in the hollow neck is a small
> > transistor preamp(?) on a little G-10 board. The mic element itself
> > looks like just about any other Turner dynamic element with its little
> > horseshoe magnet. The little preamp could easily be bypassed or removed
> > just by unsoldering a couple of wires
> >
> > What I don't know is how the little preamp gets its power. There's no
> > battery in the base, or any battery clip. Also, I have no way to

> > determine the mic impedance (I hope they're high impedance).
> >
> > It's also curious that the end of both cables have screw terminals on
> > the wires and they look original. That would bear out my suspicion that
> > these mics were in commercial service.
> >
> > Anyone have any ideas on these? They'll be perfect matches for my
> > SR-2000 and (soon) HT-32A if the impedances are compatible.
> >
> > They look as though they've had hardly a day's use.
> >
> > I'd appreciate any thoughts or further information anyone might have.
> >
> > 73,
> >
> > --
> > Sandy Gerli, AC1Y
> > 500 Country Club Road
> > Avon, CT 06001-2406
> > (860) 675-5566
> > E-Mail: angerli@esslink.com
> >
> > Life Member: ARRL, QCWA
> > Charter Member: Collins Collectors Association
> >
> > "Boatanchors are Ham Radio's living heritage!
> > Get in touch with 'em. Restore something! Smell that hot solder!
> > Sure beats booze. And, you can get up afterwards..."

Mime-Version: 1.0
Date: Thu, 26 Nov 1998 09:47:22 -0800
Message-ID: <001D961B.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: Johnson Mobile supply
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

I would like to find a 12 Volt version of the Johnson Mobile power supply. The part number is 239-104. Having never seen one in real life, I suspect most hams rolled their own. Does anyone have one that is unneeded?

Happy Thanksgiving,

Brian Harris WA5UEK

Date: Thu, 26 Nov 1998 11:00:35 -0500 (EST)
Message-Id: <199811261600.LAA10045@smtp11.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: Re: TV & French Engineering

>To: provero@connix.com
>From: Andre Guibert <aguibert@sympatico.ca>
>Subject: Re: TV & French Engineering
>
>At 09:48 98-11-26 -0500, you wrote:
>>Or as Click and Clack (of NPR Car Talk infamy) have said:
>>
>>The French follow no one, and no one follows the French!
>>
> Bonjour Josh
> Je m'excuse mais Le francais suit une femme,
> Others try to keep up.
> Andre

Message-ID: <01BE192D.150ABAC0@esieb.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: R390A sources
Date: Thu, 26 Nov 1998 11:08:16 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Ben Hall, KD5BYB, and I have been exchanging emails about R390A parts sources. Though I might share this info with the BA list gang, and at the same time hopefully dig up even more info and sources from our esteemed list members ;-)

Fair Radio, of course,

also:
Mil-Spec Communications
Box 633
Englewood, FL, 34295-0633
941-474-6818
941-474-7874 Fax
email: milspec390@aol.com

also, an _excellent_ source:
Rick Mish,
Miltronix
36 East Manhattan Boulevard
Toledo, OH 43608
419 255 6220

There are two individuals who might be sources of parts and or information:
George Rancourt, K1ANX, 413-527-4304
who has occasionally advertised R390A's and parts in ER,

and our own Michael Crestohl, W1RC, who is quite knowledgeable about '390A's
and their sources.

What have we left out? All you knowledgeable R390A fans out there are invited to
add
to this list.

Ed, VA3ES

Message-Id: <199811261623.IAA05427@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TV & French Engineering
Date: Thu, 26 Nov 1998 08:24:09 -0800
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> Wasn't the 1000' tower (Eifel Tower, no doubt) built by Americans? To
> the French's credit, however, they did give us the Statue of Liberty; we
> got the better deal.

Yeah? Didn't we just finish overhauling it? Seems like it was falling
apart!

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Thu, 26 Nov 1998 12:11:25 -0500 (EST)
Subject: EARLY TV
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9811261211.aa19175@pcusa01.ecunet.org>

> From: "Roberta J. Barmore" <rbarmore@indy.net>
>
> NTSC was a first attempt at compatible color; it got the job done but
> the color, especially in early designs, was "fiddly." My business
> abounds with tales of "blue bannanas" (a bowl of fruit makes a pretty
> good camera set-up reference...unless some wag has dyed the bannanas!)
> and worse, and most of us grew up watching TVs where the "hue" or "tint"
> knob had to be messed with to keep the people people-colored.

I don't know how/why RCA got this so wrong. The very first NTSC sets were to not even have a hue control on the front panel!!

Why wasn't there more awareness of the phase shiftiness of the whole chain from camera to console, link to transmitter, the air, TV antenna & leadin to poor TV? They knew NTSC to be highly phase sensitive. B&W tv engineers knew about phase linearity being important to luminance.

> (Big hole in NTSC: the entire range of human skin tones are among the
> most difficult shades for it to get right! At least it is fair--doesn't
> matter what color you are, NTSC won't get it right).

Human vision is very sensitive to skin tone hues, probably wired into our genes.

I think it is amazing (& appalling) that it took 60 years and 45 years, for B&W & color respectively, to reach their full potential. We've had 525 lines, 6 MHz channels & NTSC for that long.

Yet B&W and color were lousy, IMO, until about 10 years ago. By lousy, I mean not delivering to the living room a reasonable degree of its potential in sharpness & hue stability.

I remember the first color tv I saw as a lad of about 12 years age at RCA's exhibity in New York City. It was closed circuit but looked poor to my your eyes. Luminance was fuzzy, hue's were odd (wood looked purple) &

colored smears trailed fast moving image. Acid test of a color tv: can it deliver an excellent B&W pix? Until about the last 10 years, no! Without a solid luminance base, you can't have a sharply detailed color picture. The R, G & B color channels are very bandwidth limited (200-600 kHz I think) & so need the sharp luminance basis or else.

Now take a look at older pre-color era B&W sets: lousy focus, blooming, poor overall video response, no DC restoration, etc.

When I got to Germany in 1964, 625 line B&W tv looked terrific, 'cause it was! I'd say the quality of the tv sets was also quite a bit better but they did cost more too.

- > The PAL and SECAM standards were both finalized after close
- > examination of the defects of NTSC; they came along later (which,
- > horribly enough, is an **advantage** of having a war fought in one's back
- > yard--the market for TV in Europe didn't heat up as soon after the war
- > as it did in the US, giving developers a little more time), and
- > benefited from it.

They visited U.S. about 1954-56.

- > I'm not as clear on the way color is encoded in those systems as I'd
- > like to be. (Maybe Andy Emmerson will have time for a short tutorial?)
- > SECAM, I seem to recall it's field-sequential, sort of an electronic
- > version of the CBS system in that it sends one whole field (think of it
- > as an entire picture, close enough) of green, one of blue, and one of
- > red, then starts over.

I don't think SECAM does it one color field at a time, that would cause many problems which the CBS color wheel sytem had, never solved.

- > PAL, I'm **really** hazy on--possibly because it **looks** so much like
- > NTSC on a videoscope.

Phase Alternating Line: the phase of the color subcarrier is reversed by 180 degrees on every other scan line. That way, hue errors are averaged out the by the eye. I have no experience whether there are any problems with PAL.

- > The differences between NTSC, PAL and SECAM are a lesson in the price
- > paid by "early adopters:" you can have the first of a thing, or the best
- > of a thing, but only rarely is the first also the best.* Modern
- > technology has managed to get NTSC ginned up to close par with the other
- > systems re color fidelity, but for a long time, residents of North
- > America who visisted Europe or the UK usually remarked on how much better
- > the TV pictures were over there.

Yep, look at 405.

> ...One small consolation, 50Hz TV is a little more susceptible to the
> "crunchy snack effect" than 60Hz TV, an interesting phenomon that can be
> observed by eating crunchy foods (like a well-baked cookie) and watching
> the picture appear to jump while you chew!

And I thought I was the only one who noticed that!

-John Sehring (2:07 pm Wed, Nov 25, 1998 at Custer, SD USA) ucc wb2eqg

To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: WTB Heathkit HS-24 Speaker
Message-ID: <19981126.133548.5415.5.n9fqf@juno.com>
From: n9fqf@juno.com (Gerald T Kelley)
Date: Thu, 26 Nov 1998 12:45:05 EST

Loooking for a Heathkit HS-24 Speaker (mobile).
Advise by private e-mail of availability and asking price.

Tnx & 73's

Gerald "Jerry" Kelley N9FQF
E-mail: N9FQF@JUNO.COM

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Message-ID: <365D8936.4BD2@net-link.net>
Date: Thu, 26 Nov 1998 13:00:38 -0400
From: "Gary F. Franklin" <franklin@net-link.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: Clegg Comet 2 meter SSB
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am looking for a Clegg Comet 2 meter SSB transmitter.

Please E-Mail a description and asking price. Thanks

Gary K8BKB

franklin@net-link.net

Date: Thu, 26 Nov 1998 13:01:38 -0500
From: BEN NOCK <G4BXD@compuserve.com>
Subject: R210 rx bits wanted
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199811261302_MC2-619D-AA90@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Anyone seen any of the film scale tuning dials for the R210 around ?

I have been asked to look out for one for a friend. =

cheers, Ben, Ghee for Bee Hex Dee.

Message-ID: <365D89B3.52A8@net-link.net>
Date: Thu, 26 Nov 1998 13:02:43 -0400
From: "Gary F. Franklin" <franklin@net-link.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: Main tuning knob for SX-101A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am in need of the main tuning knob, including the log scale plate
for a Hallicrafter SX 101. Please E-Mail to franklin@net-link.net

Thanks
Gary K8BKB

Date: Thu, 26 Nov 1998 12:15:46 -0800 (PST)
Message-Id: <2.2.16.19981126121307.0ecf986a@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: K6KPH OTA
Cc: Adam McLaughlin <kd6poc@jps.net>, W B Reese <Radions@jps.net>,
CONSTANCEC <CONSTANCEC@aol.com>

Greetings, fellow true believers.

Those of you who follow such things will know that one of the great coast stations of the world, the "wireless giant of the Pacific", KPH, recently ceased operation from its Bolinas, CA transmitting station after 70 years of service to the maritime community. For some of us this was a deeply emotional event.

The Pacific coast was at one time home to many powerful coast stations from KLB in Seattle to KOK in Los Angeles with others like KFS and KTK in between. Some of those calls may still be heard on the air today but they're controlled from a central location and few transmit from their original facilities. It's just not the same.

But rather than dwell on the sad passing of a great era in maritime communications Tom Horsfall, WA6OPE and I decided to form a society to help preserve the history and artifacts of these great stations. Thus the Maritime Radio Historical Society was born.

One of our first acts was to apply for a club station license with the call K6KPH as a tribute to the great station. That call has recently been granted. Our plan was to recreate as closely as possible the operation of KPH and to strive for the high level of professionalism and competency for which its operators were justly famous.

Today the first transmission using the call K6KPH was made.

In keeping with the type of commercial operations we are trying to emulate and with the era we are trying to memorialize this first transmission used a remote controlled Collins 30K-5 transmitter - owned by WB6TMY, the last transmitter engineer at KPH and located about 50 miles north of the receiving location in San Francisco. A Collins 51J-4 receiver was used, the same model that was once employed at KPH. The transmitter was keyed by a Boehme 4-E keying head reading a punched paper tape specially prepared on a Kleinschmidt Wheatstone perforator, just as was done at one time at KPH.

After alerting Tom to listen I brought up the filaments and HV on the 30K-5, selected the crystal controlled frequency of 7.037Mc/s and started the tape. A slight modification of the original KPH marker tape format was used indicating that full duplex operation was available, something that remote transmitter sites make easy.

A tap on the key by a calling station resulted in me cutting out the tape and sending a snappy "DE" as is done in commercial service. The first contact was with K6LJE, a top-notch operator who immediately caught on to the procedure and understood the importance of the call letters.

Tom and i agreed it was a real thrill to hear a version of KPH back on the air again, using appropriate operating techniques and equipment.

Those who might be interested in working K6KPH are invited to monitor 7.037Mc/s or contact me to set up a schedule.

Vy 73,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Avery Comarow <acomarow@USNEWS.COM>
Subject: FS: new Triplett 630-NS VOM
Date: Thu, 26 Nov 1998 15:52:29 -0500
Message-Id: <20522951201455@usnews.com>

If this is a repeat listing, please forgive me--I don't recall receiving a copy off the reflector and it made me nervous....

- - - - -
I have a brand new, in the box, Triplett 630-NS VOM. Triplett still makes it, and it goes for \$370 or \$380.

Why do I have a brand new one for sale, you ask? Because the Duracell batteries in my old one leaked all over the innards. I sent the meter to Duracell (read the message on the side of every battery), which sent it to Triplett, which pronounced it unrepairable, and Duracell sprung for a new one.

Now, the truth is that I'm perfectly happy with my old RCA Senior VoltOhmyst and Wavetek DVOM, plus a few assorted RatShack miniature VOMs for continuity checks and such. I do not deserve the Triplett. It is a superdeluxe VOM.

200,000 ohms/volt on six DC ranges, 100,000/volt on five other ranges. DC accuracy is 1.5 percent of full scale. DC current ranges go down to 0-60 microamps. Six ohms ranges. No finicky batteries--1 D cell and one AA is it. Overload protection. With test leads.

Hence, I am offering it for sale for \$175 plus shipping--less than half what Triplet sells it for.

Best, Avery W40GK

Message-ID: <365DC89E.8954ED52@vifp.monash.edu.au>
Date: Fri, 27 Nov 1998 08:31:10 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: EARLY TV
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

This has been a very interesting thread. Living as I do in a PAL country the concept of purple skin and green hair etc is pretty alien as the PAL system has generally good colour rendition. I see that in hotel room TV when I visit the US :-). They don't transmit test patterns anymore here but when they did, some of the stuff people have been describing re moire patterns and higher frequency luminance being interpreted as colour were pretty obvious.

You can often tell a picture that has been standards converted from NTSC by the washed out looking colours although that may be a reflection of limited bandwidth as it seems more common in cheaper productions such as soapies.

As far as old european standards are concerned, I wrote here once before about the radio and TV museum in Berlin which is worth a visit if you ever get over there. It has some fascinating bits of the 1938 system including a monstrous telephoto camera used to telecast the olympics (it looks like they used the same technology a few years later to build cannons :-). I think there was an operating set from that period on display which I suppose must have been 441 lines. There are also some bits from mechanical systems such as rotary mirrors and disks etc.

On a similar subject, I have recently restored a boatanchor Tek 529 TV waveform monitor which I now have connected to the TV derived frequency standard in my shack. This is an amazing device that lets you walk through the video signal and examine it line by line. If you connect it to a monitor it highlights the line in the picture you are examining on the 'scope! Mine has the PAL modification so you can see the alternating phase on the colourbursts etc. It's

taught me a lot about what's in the amazingly complex video waveform we take for granted. I am fascinated by the couple of lines during the vertical blanking period that seem to contain a built in test pattern - there are colour bars, resolution bursts, phase alternating burst waveforms and all sorts of mysterious pulses and things which I don't understand. You can also see digital signals such as teletext - the vertical blanking period really is a bit of a wonderland. Perhaps Bobbi or Andrew could explain the mysteries of \sin^2 pulses and bars etc used for video system testing <hint>...

When I was restoring it, the Tek branded tube that was still in there worked perfectly. The russian replacement and a non-Tek Amperex were duds!

73 de Morris VK3DOC

Date: Thu, 26 Nov 1998 15:28:00 -0700 (MST)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: EARLY TV
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id:
<Pine.PMDF.3.95.981126152034.543162979A-1000000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Fri, 27 Nov 1998, Morris Odell wrote:

regardin 529 waveform monitors

> for granted. I am fascinated by the couple of lines during the vertical
> blanking period that seem to contain a built in test pattern - there are colour
> bars, resolution bursts, phase alternating burst waveforms and all sorts of
> mysterious pulses and things which I don't understand. You can also see digital
> signals such as teletext - the vertical blanking period really is a bit of a
> wonderland. Perhaps Bobbi or Andrew could explain the mysteries of \sin^2 pulses
> and bars etc used for video system testing <hint>...

Those test patterns are used to give the technicians an ongoing report on the line up to that point. When I did television for a living, one of my jobs was to use a 529 to examine the VITS and write down the a bunch of numbers that tell you the condition of the network line from the CBC or CTV depending on where I worked at the time. The most useful test, as I recall, was the modulated staircase wherein you could strip off the chroma and examine the liniaritty of the signal all the way from the sync tips to the whitest of Tide white. Next you strip of the liminance and the sync and just examine the chrominance to see how linear it is (is the chroma at black the same as the chroma at white and in between). You get to see shrunken sync, spikes in the video, blacks that are too high, whites that are too low. Very useful.

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Message-ID: <365DE2FD.7DB3@bellsouth.net>
Date: Thu, 26 Nov 1998 17:23:41 -0600
From: George T Folse III <kb5ww@bellsouth.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Thanksgiving AMI Jamboree
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

Does anyone know what time the Jamboree starts tomorrow? I will be working 10m,40m,and 75m for the contest.
Happy Thanksgiving to all,
George KB5WWO

Message-ID: <365DF80F.509@worldnet.att.net>
Date: Thu, 26 Nov 1998 19:53:35 -0500
From: John Dilks <oldradio@worldnet.att.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Old WE 25B console Broadcast equipment -- help needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

to all,

Can anyone on here help Jim --below--? And please relpy to him at:

JLD2000@aol.com

JLD2000@aol.com wrote:

>

> To: John Dilks K2TQN

>

> I found your name on the AWA homepage as having worked for Western Electric at
> one time.

>

> I have a Western Electric Model 25 B audio console, the WE power supply, and a
> junction box as well as some television studio broadcast equipment (RCA
> mostly).

>
> I would like to talk with someone who is familiar with this unit. I can be
> contacted at JLD2000@AOL.COM
>
> Thanks for your help.
>
> Jim Dirksen W8MDM

Jim,

Thanks for visiting. And it sounds like you have some interesting WE
items there. My work was telephone switching, not broadcast equipment.
I would suggest you try finding some old broadcast engineers. I'll send
a copy of this to someone I know in that field. Perhaps they will know
someone.

--

73' John Dilks, K2TQN

Please visit my OldRadio Museum
<http://www.eht.com/oldradio/museum>

Webmaster for the Antique Wireless Association
<http://www.ggw.org/awa> Click on "Page 2"

--and--

for the New Jersey Antique Radio Club
<http://www.eht.com/oldradio>

-

End of BOATANCHORS Digest 2319
